

CYBER SECURITY CERTIFICATION

- ✓ 30 Hours Intensive Program
- ✓ Hands on Lab for Practical Experiences
- ✓ Prepare for Security+ Certifications

WHAT MAKES OUR CYBER SECURITY PROGRAM UNIQUE ?

The digital revolution has unleashed a wave of cyber threats, creating a surge in demand for skilled security professionals. Our programme, meticulously designed by industry experts, equips you to dissect the ever-changing threat landscape and craft robust long-term Cyber Security strategies.

Become industry-ready with powerful tools.

COMPREHENSIVE CURRICULUM

Master Cyber Security fundamentals for real-world challenges

INTERACTIVE LIVE MENTORSHIP

Receive live mentorship from industry veterans

HANDS-ON LEARNING

Strengthen skills with hands-on lab sessions

COMPTIA SECURITY* EXAM PREPARATION (OPTIONAL)

Prepare for the CompTIA Security+ certification exam

OPTIONAL CAPSTONE PROJECT

Practice with our 2-week optional Capstone Project

COURSE CURRICULAM

MODULE 1 : INTRODUCTION TO CYBER SECURITY (5 HOURS)

Acquire essential knowledge in risk management , cryptography, and emerging trends in cyber security.

Topics :

- Careers in Cyber Security
- Introduction to CIA Triad
- Basics of Authentication
- Risk Management
- Global Cyber Warfare
- Understanding Cryptography, cryptocurrency and Blockchain
- Emerging Trends : Artificial Intelligence, Cyber Security , Operations Technology And IoT.

MODULE 2 : NETWORK SECURITY AND FIREWALL ESSENTIALS (5 HOURS)

Equip yourself with Network Security concepts and explore network security tools such as Firewall for safeguarding your assets.

Topics :

- Networking Basics - OSI Model, IP Addressing, , TCP/IP, Network Services, Public/Private IP, Load Balancing, Proxy
- Virtual Private Network (VPN)
- Next Generation Firewall (NGFW)
- Intrusion Detection Systems (IDS)
- Wireshark
- Network Segmentation

MODULE 3 : UNDERSTANDING MODERN CYBER SECURITY ATTACKS (5 HOURS)

Discover the cyber attack methodology and learn to view attacks from the lens of an attacker.

Topics :

- MITRE ATT&CK
- Cyber Kill Chain
- APT (Advanced Persistent Threats)
- Ransomware Attacks and Cyber Insurance
- Attacks on Networks
- Attacks on Endpoints
- Attacks on Applications
- Attacks on Data
- Attacks on Cryptography
- Attacks on Cloud
- Attacks on Users

MODULE 4 : DESIGNING SECURITY CONTROLS (5 HOURS)

Discover effective methods for recognising and applying appropriate Cyber Security strategies to combat diverse cyber threats.

Topics :

- Types of Security Controls
- Authentication Implementation
- Endpoint Security Controls- Antivirus, Endpoint Detection and Response (EDR), Extended Detection and Response (XDR)
- Identity and Access Management (IDAM)

- Security Awareness
- Deep dive into Security Information and Event Management (SIEM)
- Threat Intelligence
- Incident Response
- Data Security Controls - Data Loss Prevention (DLP), Cloud Access Security Broker (CASB), Data Encryption, Data Masking.

MODULE 5 : GOVERNANCE , RISK AND COMPLIANCE (5 HOURS)

Gain an understanding of various standards, regulations, and frameworks to help build a strong organisational security posture.

Topics :

- Regulations, Standards, and Legislations.
- ISO 27001:2022
- General Data Protection Regulation (GDPR)
- Digital Data Protection Act (DPDP)
- India Payment Card Industry - Data Security Standard (PCI DSS)
- Understanding Audit Process
- Conducting an Internal Audit
- Certification Audits

MODULE 6 : CLOUD SECURITY (5 HOURS)

Delve deeper into the security features of AMAZON WEB SERVICE (AWS) and understand the methodology behind securing data on the cloud.

Topics :

- Cloud Security in Different Platforms
- Cloud Platform and Infrastructure Security
- Securing Data on Cloud
- Incident Detection and Response in Cloud

LANGUAGE AND TOOLS THAT YOU WILL LEARN :



CERTIFICATE OF COMPLETION :

RBITS	Redback IT Solutions Private Limited. An ISO Certified Organization
<i>Certificate of Participation</i>	
August __, 2024	Presented to
<div></div>	
This certificate confirms active participation in the Industrial Visit, Organized by the Department of Information Technology St. Joseph's Institute of Technology in association with Redback IT Solutions Private Limited.	
Information Technology & Cyber Security	
Held on __ August 2024	
	
 SIVAPRIYA.K Managing Director	

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READY TO BECOME A CYBER SECURITY EXPERT

APPLY NOW

Speak to the Program Advisor

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